

Title (en)

Adjustable volumetric pump such as a syringe, gun or pipette

Title (de)

Veränderliche volumetrische Pumpe, etwa eine Spritze, Spritzpistole oder Pipette

Title (fr)

Pompe volumétrique réglable telle que seringue, pistolet, pipette

Publication

EP 0604300 B1 20000315 (FR)

Application

EP 93403108 A 19931220

Priority

FR 9215338 A 19921221

Abstract (en)

[origin: EP0604300A1] The invention relates to an adjustable positive-displacement pump such as a syringe, gun or pipette, of the type comprising a preferably cylindrical body (9) constituting the reservoir of the pump and closed by a wall (13), a plunger (19) mounted axially sliding inside the said body (9) for injecting a variable quantity of liquid contained between the head (18) of the piston and the said wall (13) of the body, and a support (27) for the reservoir body (9). According to the invention, the reservoir (9) is driven in an axial movement within the support (27) of the reservoir body and is capable of being locked in the said support (27) at at least one suitable position corresponding to a chosen injection volume. Application to veterinary equipment. <IMAGE>

IPC 1-7

G01F 11/02; A61M 5/315

IPC 8 full level

A61M 5/20 (2006.01); **G01F 11/02** (2006.01); **A61M 5/315** (2006.01)

CPC (source: EP)

A61M 5/204 (2013.01); **G01F 11/023** (2013.01); **G01F 11/026** (2013.01); **G01F 11/027** (2013.01); **A61M 5/31551** (2013.01);
A61M 5/31561 (2013.01); **A61M 5/31581** (2013.01); **A61M 5/31593** (2013.01)

Cited by

WO9711785A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0604300 A1 19940629; EP 0604300 B1 20000315; DE 69328077 D1 20000420; FR 2699671 A1 19940624; FR 2699671 B1 19950224

DOCDB simple family (application)

EP 93403108 A 19931220; DE 69328077 T 19931220; FR 9215338 A 19921221